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Seventh International Working Conference

UNIVERSITY OF BRADFORD
MAKING KNOWLEDGE WORK

HET-NETs 2013

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Performance & Security Modelling and Evaluation of Cooperative Heterogeneous Networks

&

First EU PhD Course

NET-PEN 2013

Networks and Performance Engineering

Mon 11th – Wed 13th Nov. 2013
Venue: Craiglands Hotel, Ilkley, West Yorkshire, England, UK

General Chair
Demetres D Kouvatsos (University of Bradford, UK)

TPC Co-Chairs
Simonetta Balsamo (University of Ca' Foscari of Venetia, Italy)
Yutaka Takahashi (Kyoto University, Japan)

Announcement and CFPs

The Seventh Int. HET-NET 2013 Working Conference is organised under the auspices of IFIP - International Federation of Information Processing (IFIP Event 02691) and in collaboration with the University of Bradford, Bradford, England (U.K.).

The HET-NETs 2013 conference aims to (i) motivate fundamental theoretical and applied research into the performance and security modelling, analysis, standardisation and engineering of evolving, cooperative and converging multi-service networks of diverse technology and the future generation Internet (FGI)

and (ii) provide the platform for the staging of the First EU PhD course 'NET-PEN 2013', based on selected HET-NETs 2013 technical papers and tutorials.

The conference has its roots, as a main workpackage, in the research dissemination programmes of the Networks of Excellence (NoE) Euro-NGI and Euro-FGI concerning with the 'Design and Engineering of the Next and Future Generation Internets – Towards the Convergence of Multi-service Heterogeneous Networks'. Moreover, it is also supported by the major EU IST consortiums IASON and VITAL focusing on the 'Generic Evaluation Platform for Services Interoperability and Networks' and 'Mobility Management and Quality-of-Service (QoS) Mechanisms for Convergent IP Multimedia Services (IMS) over Next Generation Networks'.

It is anticipated that these events, as in past HET-NETs working conferences, will bring together experts as well as research students from both industry and academia worldwide. These events will provide the platform to share knowledge and exchange innovative ideas towards performance vs. security 'optimal' trade-offs for cooperative heterogeneous networks, in conjunction with mobility management and quality-of service (QoS) and establish new initiatives towards research integration and collaboration in these important fields.

Contributions are encouraged on, but are not limited to, the following technical themes:
- *Network Traffic Modelling, Characterisation and Engineering;*
- *Experimental Performance Validation and Measurement Platforms;*
- *Modelling Performance vs. Security Trade-offs in Heterogeneous Networks;*
- *Energy-Aware Security and QoS Routing Trade-offs in Wireless Networks;*
- *Queueing Theoretic-based Models for Intrusion Detection and Elimination Systems;*
- *Cognitive Radio Networks (CRNs) with or without Cloud Supporting Platforms;*
- *Network Security Management Models for Quantum Key Distributions;*
- *QoS Protocols for Vehicular (VANETs) and Robotic (RANETs) Ad Hoc Networks;*
- *Numerical, Simulation and Analytic Methodologies and Quantitative Tools;*
- *Queueing Network Models (QNMs) and Gen. Stochastic Petri Nets (GSPNs) with Blocking;*
- *Optimal Group Network Communication (Broadcasting/Multicasting) Schemes;*
- *Performance vs. Security Issues in Optical Networks;*
- *QoS and Mobility Management in Wireless Networks;*
- *Modelling and Quantitative Analysis of Overlay Networks;*
- *End-to-End QoS in Cooperative Heterogeneous Networks;*
- *Quality Feedback for Perceived Service Dependability;*
- *Standardisation Issues in Cooperative Heterogeneous Networks.*

Website of HET-NETs 2013 Working Conference and NET-PEN PhD Course:
<http://www.hetnets2013.eu/> (To be progressively updated)

Conference and PhD Course Technical Programmes, Timetables and Social Events, Registration, Travelling Instructions and Accommodation
(To be announced)

Publications

- HET-NETs 2013 E-Proceedings and in Research Webshelf of River Publishers <www.researchwebshelf.com>);
- After HET-NETs 2013: To edit an IFIP Book and Special Journal Issues of extended and updated HET-NETs 2013 papers and tutorials (SCI indexed) in the journals of WIRE / COMCOM / JCSS / Green Engineering.

Provisional TP Committees

Track I: Perform. vs. Security Trade-offs	Track II. Mobility Management & QoS	Track III. Analytic Methods and Tools
Tulin Atmaca, Paris, France	Vicente Casares-Giner, Valencia, Spain	Eitan Altman, INRIA, France
Irfan Ullah Awan, Bradford, U.K.	Der-Jiunn Deng, Nat Taiwan Uni., Taiwan	Vladimir Anisimov (AB), Reading, U.K.
Monique Becker (AB), Paris, France	Erol Gelenbe, London, U.K.	Richard Boucherie, Amsterdam, Netherlands
Andre-Luc Beylot, Toulouse, France	Ilias Iliadis (AB), IBM Zurich, Switzerland	Chris Blondia, Antwerp. Belgium
Hermann Brand (AB), ETSI, France	Paola Iovanna, Ericsson, Italy	Herwig Bruneel, Ghent, Belgium
John Cosmas, Brunel, U.K.	Krzysztof Grochla, Gliwice, Poland Villy	Ram Chakka, Meerut, India
Laurie Cuthbert, London, U.K.	Baek Iversen, Lynby, Denmark	Tadeusz Czachorski, Gliwice, Poland
Tien Do, Budapest, Hungary	Christoforos Kavadias, Teletel SA, Greece	Peter Harrison, London, U.K.
Markus Fiedler, Karlskrona, Sweden	Kimon Kontovassilis, Athens, Greece	Wojciech Kabacinski, Poznan, Poland
Erik R Fledderus, TNO, The Netherlands	George Kormentzas, Samos, Greece	Khanik Kerobyan, Moscow, Russia
Karin Anna Hummel, Vienna, Austria	Janos Levendovszky, Budapest, Hungary	Hadi Larijani, Glasgow, U.K.
Stephen Jarvis, Reading, U.K.	Nicholas Mitrou, Athens, Greece	Wei Li, JiNan ShanDong, P.R. China
Michael Logothetis, Patras, Greece	Ioannis Moscholios, Tripolis, Greece	Geyong Min, Exeter, U.K.
Jim Martin, Clemson, U.S.A.	Josef Noll, Oslo, Norway	Isi Mitrani, Newcastle, U.K.
Nihal Pekergin, Paris, France	Michèle Pagano, Pisa, Italy	Is-Haka Mkwawa, Plymouth, U.K
Anand R Prasad (AB), NEC, Japan	Ruben Perreira, Liverpool, U.K.	Natalia M Markovich, Moscow, Russia
Henrik Schiöler, Aalborg, Denmark	Vicent Pla, Valencia, Spain	Pablo Belzarena, Montevideo, Uruguay
Charles Shoniregun, ICITST, U.K.	Javier Poncela, Malaga, Spain	Michal Pioro, Warsaw, Poland
Maciej Stasiak, Poznan, Poland	Adrian Popescu (AB). Karlskrona, Sweden	Maria Simon (AB), Montevideo, Uruguay
Zhili Sun, Surrey, U.K.	Roberto Sabella (AB), Ericsson, Italy	Harry Skianis, Samos, Greece
Nigel Thomas, Newcastle, U.K.	David Remondo-Bueno, Barcelona, Spain	Janos Sztrik, Debrecen, Hungary
Tereza Vazao, Lisbon, Portugal	Ross Velentzas, AdvTec Ltd., U.K.	Villen-Altamirano, Madrid, Spain
Vassilis Velentzas (AB), Teletel S.A., Greece	Shingo Watanabe, KDDI R&D Labs, Japan	Sabine Wittevrongel (AB), Ghent, Belgium

Local Organising Committee

Guzlan M A Miskeen (Chair), Rana R Ahmed, Irfan Ullah Awan, Mukhtar I Bello, Attila Csenki, Rod J Fretwell, Pauline M L Chan, Esmaeil Habibzadeh, Neil Saxton, Karim Hamoud Sadik, Neel P Shah,   Abdulaziz Aljohani, Hatem Ibrahim.

Extended Closing Dates

In response to requests from colleagues and research students worldwide, the closing dates have been extended as follows:

- **Mon 21st of Oct. 2013:** Submission of Technical Papers (up to six A4 pages), Tutorials (up to four A4 pages), Works-in-Progress (up to two A4 pages) and Posters (a single A4 page) for peer review;
- **Sat 26th of Oct. 2013:** Confirmation of Acceptance / Rejection;
- **Fri 1st of Nov. 2013:** Submission of Camera Ready Papers (up to ten A4 pages), Tutorials (up to twenty five A4 pages), Works-in-Progress (up to six A4 pages) and Posters (up to four A4 pages).

Template for Manuscript Preparation

Please use Springer's free paper preparation template available at:
        http://www.springer.com/computer/lncs?SGWID=0-164-6-793341-0.
This template includes the links LNCS author guidelines, llncs2e.zip (for Latex) and plnproc1110.zip (for Word). Before uploading, papers should be converted to PDF.

Closing Submission Dates for Extended HET-NETs 2013 Papers & Tutorials

- **Mon 4th of Jan. 2014:** Submission of extended HET-NETS 2013 papers and tutorials are invited for consideration for publication (SCI indexed), subject to additional peer reviews, in an IFIP Book and/or Special Journal Issues in WIRE / COMCOM / JCSS / Green Engineering;
- **Fri 28th of Feb. 2014:** Confirmation of Acceptance /Rejection;
- **Mon 31st of March 2014:** Submission for publication of final revised versions of accepted papers and tutorials.

Uploading of HET-NETs 2013 Submissions

All HET-NETs 2013 submissions should be uploaded on the HET-NETs 2014 On-line Submission System using the link: http://computing.brad.ac.uk/hetnets-2013/submit/) as well as be sent via email to Miss Guzlan Miskeen_Local Chair HET-NETs 2013 <HETNETs2013@gmail.com>.

For more information on the staging of HET-NETs 2013 and NET-PEN 2013, please contact Prof Demetres D Kouvatsos <D.Kouvatsos@Bradford.ac.uk>.